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### 1 [An application of a context-aware file system](#)

Christopher K. Hess, Roy H. Campbell

 December 2003 **Personal and Ubiquitous Computing**, Volume 7 Issue 6

 Full text available: pdf (383.26 KB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

Ubiquitous computing environments stretch the requirements of traditional infrastructures used to facilitate the development of applications. Activities are often supported by collections of applications, some of which are automatically launched with little or no human intervention. This task-driven environment challenges existing application construction and data management techniques. In this paper, we describe a file system that organises application data based on contextual information, impo ...

**Keywords:** Context, Data management, File systems, Operating systems, Ubiquitous computing spaces

### 2 [ISIS: an adaptive, trilingual conversational system with interleaving interaction and delegation dialogs](#)

Helen Meng, P. C. Ching, Shuk Fong Chan, Yee Fong Wong, Cheong Chat Chan

 September 2004 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 11 Issue 3

 Full text available: pdf (3.71 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

ISIS (Intelligent Speech for Information Systems) is a trilingual spoken dialog system (SDS) for the stocks domain. It handles two dialects of Chinese (Cantonese and Putonghua) as well as English---the predominant languages in our region. The system supports spoken language queries regarding stock market information and simulated personal portfolios. The conversational interface is augmented with a screen display that can capture mouse-clicks as well as textual input by typing or stylus-writing. ...

**Keywords:** Human-computer spoken language interface, interaction and delegation dialogs

### 3 [Pervasive computing: what is it good for?](#)

Andrew C. Huang, Benjamin C. Ling, Shankar Ponnekanti

 August 1999 **Proceedings of the 1st ACM international workshop on Data engineering for wireless and mobile access**

Full text available:  pdf(897.82 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

#### 4 [Using Handheld Devices in Synchronous Collaborative Scenarios](#)

Jörg Roth, Claus Unger

January 2001 **Personal and Ubiquitous Computing**, Volume 5 Issue 4

Full text available:  pdf(284.67 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

In this paper we present a platform specially designed for groupware applications running on handheld devices. Common groupware platforms request desktop computers as underlying hardware platforms. The fundamentally different nature of handheld devices has a great impact on the platform, e.g. resource limitations have to be considered, the network is slow and unstable. Often, personal data are stored on handheld devices, thus mechanisms have to ensure privacy. These considerations led to the Qui ...

#### 5 [Mobile computing in next generation wireless networks](#)

Prathima Agrawal, David Famolari

August 1999 **Proceedings of the 3rd international workshop on Discrete algorithms and methods for mobile computing and communications**

Full text available:  pdf(1.01 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** IMT-2000, cdma2000, mobile computing, wireless data

#### 6 [Microsoft Windows CE: a new handheld computing platform](#)

Robert O'Hara

April 1997 **Proceedings of the 1997 ACM symposium on Applied computing**

Full text available:  pdf(196.18 KB) Additional Information: [full citation](#), [index terms](#)

**Keywords:** PDA, handheld PC, mobile computing, windows CE

#### 7 [SHS Orcas: the first integrated information system for long-term healthcare facility management](#)

Steve Calde, Kim Goodwin, Robert Reimann

April 2002 **Case studies of the CHI2002/AIGA Experience Design FORUM**





Full text available:  pdf(765.70 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

SHS.com (Shared Healthcare Systems) provides software solutions and services for the senior healthcare market. In 1998, SHS engaged Cooper to help design a next-generation healthcare information system that would for the first time provide true integration of clinical, financial, and case management information, allowing comprehensive management of long-term healthcare facilities. Cooper had an opportunity to design a product that not only improved the efficiency of healthcare facilities, but als ...

**Keywords:** case management, clinical, design patterns, design principles, ethnography, financial, healthcare, information system, interaction design, personas, scenario-based design, trend analysis

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